chain nodes :
    1 2 7 8 9 10 18 31
ring nodes :
    19 20 21 22 23 24 25 26 27 28 29 30
ring/chain nodes :
    3 4 5 6 11 12 13 14
chain bonds :
    1-2 1-3 1-4 2-7 7-18 7-19 8-28 8-31 8-9 9-10 10-11 10-12 22-25
ring/chain bonds :
    3-5 4-6 11-13 12-14
ring bonds :
    19-20 19-24 20-21 21-22 22-23 23-24 25-26 25-30 26-27 27-28 28-29 29-30
exact/norm bonds :
    1-2 1-3 1-4 2-7 3-5 4-6 7-18 8-31 8-9 9-10 10-11 10-12 11-13 12-14
exact bonds :
    7-19 8-28 22-25
normalized bonds :
    19-20 19-24 20-21 21-22 22-23 23-24 25-26 25-30 26-27 27-28 28-29 29-30

G1:Cb,Hy,Ak

G2:H,Ak

Match level :
    1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS
    11:CLASS 12:CLASS 13:CLASS 14:CLASS 18:CLASS 19:Atom 20:CLASS 21:Atom 22:Atom 23:Atom
    24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:CLASS